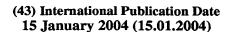
# Rec'd PCT/PTE 23 DEC 2004

### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau





### 

**PCT** 

# (10) International Publication Number WO 2004/004744 A1

(51) International Patent Classification7: A61K 31/715

(21) International Application Number:

PCT/US2003/021034

(22) International Filing Date:

3 July 2003 (03.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/393,954

3 July 2002 (03.07.2002) US

(71) Applicant (for all designated States except US): PERI-COR SCIENCE, INC. [US/US]; 313 Pleasant Street, 4th Floor, Watertown, MA 02472 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SVIRKIN, Yuri [US/US]; 60 Charles Street, Winchester, MA 01890 (US). PARSA, Ramine [IR/US]; 237 Moody Street, Apt.549, Waltham, MA 02453 (US). ZINGERMAN, Dmitry [US/US]; 9 Pierce Street, Apt.1, North Quincy, MA 02171 (US).
- (74) Agent: TREVISAN, Maria, A.; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS OF HYALURONIC ACID AND METHODS OF USE